EOS-1D Mark II N Digital SLR camera

Canon

advanced simplicity®

Blistering speed and super high resolution.
The Digital SLR for professionals who won't compromise.

EOS-1D Mark II N

The World's Fastest Digital SLR* Refined

Presenting the next generation of EOS Digital SLR Camera, the EOS-1D Mark II N. A stunning union of professional performance and flexibility. Combining a Canon designed CMOS sensor with the blazingly fast DiG!C II Image Processor, for incredible image quality and near instantaneous responsiveness. Compatibility with over 50 EF Lenses and a wide variety of accessories, plus new technologies, like the Wireless File Transmitter WFT-E1, the EOS-1D Mark II N is part of the most advanced Digital SLR Camera system available today, Canon EOS.

Canon's new EOS-1D Mark II N can capture images at an incredible 8.5 frames per second for up to 48 frames in a single burst. It features Canon's proven 8.2 Megapixel CMOS sensor with a 1.3x conversion factor, combined with the speed and intelligence of the DiG!C II Image Processor, all in a rock-solid, magnesium alloy body.

*As of August 2005

EOS-1D Mark II N:
You Spoke, We Listened

The successor to the amazing EOS-1D Mark II, the EOS-1D Mark II N refines every facet of the photographic process, resulting in a faster, more fluid experience for the photographer. Retaining the EOS-1D Mark II's 1.3x conversion factor and 8.2 Megapixel CMOS sensor, sophisticated 45-point AF, 21-zone Evaluative Metering, superb build quality and instant 0.2 second start-up time, the EOS-1D Mark II N incorporates user-requested improvements such as an optional changeable focusing screen for critical focus in low light and a larger 2.5 inch LCD screen which provides a bigger image for playback, and can be viewed at 170°. ISO values can now be changed in the viewfinder, allowing photographers to change settings without taking the camera from their eye. The EOS-1D Mark II N features these improvements, plus all the shooting modes of the EOS 1 line and shutter speeds from 1/8000 to 30 sec.

DiG!C II: Faster, Smarter Operation From Start to Finish

Canon's DiG!C II Image Processor turns information captured by the CMOS sensor into images of exceptional clarity and resolution. Photographers can expect precise, natural colour with smooth, lifelike gradations, spot-on white balance and speed in any number of lighting situations. By handling larger volumes of image data, the DiG!C II Image Processor also contributes to lower power consumption: about 1200 shots can be taken on a full battery under normal conditions.

Photographs can be recorded as JPEG images, RAW images, or both simultaneously – with unprecedented control over image quality. Canon's newly developed proprietary CR2 RAW type compression method offers tremendous image quality, with rich 12-bit gradation and lossless image compression. Perfect for critical applications, amazing results can be achieved when processing Canon's RAW images on a computer.

Fast Capture, Faster Processing

As the “1” designation has always been used for the flagship models in the EOS line, Canon has made no compromises with the construction and performance of the EOS-1D Mark II N. Photographers can expect an exceptional degree of performance and reliability on par with any film camera they’ve ever used. In addition to lightning-fast 45-point AF, sophisticated tracking, predictive AF technology, and precise, instant metering, no matter the setting, the EOS-1D Mark II N can shoot 8.5 JPEG images for up to 48 shots in a single burst, and at least 22 consecutive RAW images. Shutter lag is a responsive 55 milliseconds. Starting up in 0.2 sec, the EOS-1D Mark II N demonstrates its speed immediately. The revolutionary DiG!C II Image Processor complements the EOS-1D Mark II N’s speed in capturing images by processing and saving them with corresponding speed and precision.

The Result is Clear

The EOS-1D Mark II N has been designed to provide the photographer with instant feedback, saving valuable time when reviewing images. A new 2.5 inch LCD screen with approximately 230,000 pixels not only displays more information, it can also be viewed from a far greater angle than many other conventional LCD screens (170°). Magnification to check exposure and critical focus has never been faster, and whether changing colour parameters, setting up custom functions, organising folders, setting white balance, or any other feature, the new screen is designed with the professional in mind. Photographers get to their information quickly, so they never lose a shot.

Rugged Build Quality, Total Flexibility

Photographers have come to expect stellar images from Canon Digital SLRs. And along with excellent optics, powerful processors and smooth sensors, Canon Digital SLRs are complemented by renowned build quality for ergonomic and reliable operation, whether in the studio or the field. EOS-1 series cameras have rigid, well-coated magnesium alloy bodies, as well as being dust-proof and weather-resistant for shooting in even the most inclement conditions. In addition, the shutters are designed to endure 200,000 cycles. With newly strengthened accessory shoes, electromagnetic shielding to help reduce noise, all in elegant, durable bodies, these SLRs are a pleasure to hold and use.

More Options for the Way You Work

The EOS-1D Mark II N is one of the easiest cameras to customise to a photographer's personal style of shooting. Six new "Picture Style" settings simulate the characteristics of different film styles, and allow the 'look' of their images to be determined. The Picture Style options include Standard mode, for punchy, print-from-the-camera colour, Portrait mode, for softer, more natural skin tones; Landscape, for vivid blues and greens and overall sharpness, plus Neutral, Faithful and Monochrome, which can be customised to emulate colour filters used with black and white film. In addition to such a high degree of control, Picture Style also allows photographers to achieve consistent image output when using multiple cameras, so less time needs to be spent on the computer and more time can be enjoyed taking pictures.

Add Canon's new interchangeable matte focusing screens, proven Custom and Personal functions, two card slots (one for CompactFlash (CF) and one for Secure Digital (SD) memory cards) with the ability to record JPEG and RAW image on different memory cards, simultaneously, and it's clear that the EOS-1D Mark II N is an incredibly adaptable photographic tool.

Standard mode

Portrait mode

Landscape mode

Neutral mode

Faithful mode

Monochrome mode

Solutions and Connections

Reflecting the range of viewing and image transfer possibilities available today, the EOS-1D Mark II N has a video OUT terminal, perfect for viewing images on a television screen. And in addition to a standard professional IEEE1394 (FireWire) port, the EOS-1D Mark II N includes a USB 2.0 port for connection to computers or direct connection to compatible printers. Once transferred to a computer, Canon's EOS Digital Solution Disk (Ver. 11.0 as of September 2005), and Digital Photo Professional (Ver. 2.0), add a combination of powerful, easy-to-use tools designed to seamlessly transform data captured by the cameras into spectacular digital files, perfect for any application the photographer may have in mind.

Digital Photo Professional

Digital Photo Professional (Version 2.0) is a RAW image processing application featuring a newly designed, dedicated image processing engine which is optimised to streamline the workflow demands of advanced digital photographers. It enables high-speed RAW image processing and preview, support for sRGB, Adobe RGB and Wide Gamut RGB colour spaces, and is CMS (Colour Management System) compatible. In addition to numerous controls for exposure and colour settings, it also includes a cropping tool, a navigation tool, CMYK printer simulation, batch conversion, multiple image download and download to applications other than Photoshop.

EOS Solution Disk

The EOS Solution Disk (Version 11.0) includes ZoomBrowser EX 5.5 and ImageBrowser 5.5, which provide dedicated support for downloading and simple RAW image adjustment. It also includes EOS Capture 1.5, a remote capture tool, which offers improvements in both speed and usability over previous programs.

EOS: The Most Comprehensive Digital SLR System

Canon's world-renowned line-up of EF Lenses includes over 50 models ranging from 14mm ultra-wide-angle to 600mm super-telephoto. Through Canon's advanced optical know-how and sub-micron precision engineering, EF Lenses offer unprecedented capabilities that meet wide-ranging needs. Leading features include a high precision Ultrasonic Motor that silently drives the AF mechanism, an Image Stabilizer that automatically compensates for camera shake, aspherical optics, Fluorite lenses, Ultra Low Dispersion (UD) lenses, and Super UD lenses.

No other line of lenses carries the reputation of Canon's renowned L-series. Easily recognised by the bold red ring around the outer barrel, these lenses utilise the best in Canon's cutting-edge technology, and feature superior durability and resistance to the elements, enhancing performance without compromising ease-of-use.

One of the greatest challenges in the design of a telephoto lens has been the minimisation of colour fringing, or chromatic aberration. So, some L-series lenses use Canon's Ultra Low Dispersion glass to help minimise this effect. The design of the UD glass provides outstanding contrast and sharpness and minimises the splitting of colours as they pass through the elements. In certain super-telephoto lenses, Fluorite elements are used, as they are even more effective in minimising these characteristics, enabling more compact lens design with no compromise in performance. Wide angle and fast standard lenses often suffer from another optical problem: Spherical Aberration. This occurs when the point of focus of the light ray coming through the centre of the lens does not align with the point of focus of the light ray coming through the lens edge. Since there is no sharp point of focus, the image looks blurred. Canon's aspherical elements change the curvature from centre to edge to align the points of focus of the incoming light rays so that the entire image plane appears focused.

Canon's Image Stabilizer (IS) technology makes handheld photography possible in more low-light situations than ever before. When camera shake occurs using normal lenses without IS technology, the image projected on the focal-plane also shakes, often resulting in blurred images at slower shutter speeds. In the same situation, with an IS lens attached to the camera, a special group of lens elements automatically shift position, compensating for the movement and stabilising the image. This compensatory effect adds the equivalent of up to three stops of exposure, expanding photographers' handheld options dramatically.

Lenses using Canon's **Diffractive Optics** are both high performance and more compact than those with traditional refractive designs, while conventional glass elements disperse incoming light, thereby causing chromatic aberration, Canon's unique multi-layer diffractive elements work together with conventional glass optics to reduce the effects of dispersion and minimise or eliminate chromatic aberration. Diffractive coatings are bonded to the rear surface of one lens element and the front surface of another. These elements are attached together to form a single multi-layer diffractive (DO) element. This element's dispersion characteristics are reversed when compared to conventional optics, making it possible to cancel chromatic aberrations at each wavelength when conventional and DO elements are combined.

Specialty Lenses

Macro Lenses

To bring small things into full-sized view, Canon's EF lens line-up has a number of options for true close-up and macro photography. With macro lenses for precision, and three screw-on close-up lenses for convenience – in addition to EF Life-Size Converter and two Extension Tubes, Canon has a perfect close-up option for any situation.

TS-E Lenses

TS-E lenses are capable of tilt and shift movements, bringing many of the advantages of technical view cameras to the EOS system. Tilt movements alter the angle of the plane of focus between the lens and CMOS sensor (or film plane), making broad depth-of-field possible even at large apertures; shift movements move the lens's optical axis in parallel, allowing the photographer to control perspective.

Super Telephoto

Canon's Super Telephoto lenses are renowned for their optics, performance and speed. They can be found on the sidelines of every major sports event around the world. From the EF 300mm f/2.8L IS USM all the way to the EF 600mm f/4L IS USM, every professional's arsenal will be fortified with an L-series Super Telephoto.

E-TTL II: Smarter Flash Performance

Canon's high-end Digital SLRs employ E-TTL II, the most advanced flash metering technology, to solve problems encountered by photographers. Occasionally, if you lock focus and recompose your shot, this could result in a non-optimal exposure with previous systems. E-TTL II remedies this by ignoring the active focusing point, considering distance information and evaluating pre-flash information immediately before the exposure occurs. Sometimes in flash photography, mirror-like objects in the image cause the sensor to register localised, abnormally high levels, and would result in underexposure. E-TTL II knows to ignore those levels, resulting in the correct exposure. This feature is useful when shooting a subject with a highly reflective object in the background, or if the subject itself is highly reflective. Metered areas with large discrepancies between ambient and pre-flash readings are excluded or down-weighted because they are assumed to contain a highly reflective subject. These readings are weighted, averaged and compared with the ambient light reading and the main flash output is then set and stored in memory, ensuring consistent flash output through a number of shots.

Speedlite 580EX

- Approx. 25% faster recycling time compared to previous 550EX.
- Superior evenness of exposure, centre to corner of frame.
- Slightly higher max. guide number at 105mm setting (GN 58–meters at ISO 100).
- Auto conversion of flash coverage with compatible Digital SLRs.
- White Balance info communicated instantly to compatible Digital SLRs.
- Full swivel, 180° in either direction (first TTL flash with this ability).
- AF-assist beam now compatible with all AF points on every EOS SLR.
- Select Dial for easy inputs and user control.

Speedlite 430EX

- Significantly greater user control via new LCD panel on rear of flash.
- Wide-angle pull-down panel covers 14mm lens (on a full-frame camera).
- Slightly higher max. guide number at 105mm setting (GN 43–meters at ISO 100).
- Auto conversion of flash zoom coverage with compatible Digital SLRs.
- White Balance info communicated instantly to compatible Digital SLRs.
- Bounce upward to 90°; swivel right (to 90°) and left (180°).

Macro Ring Lite MR-14EX

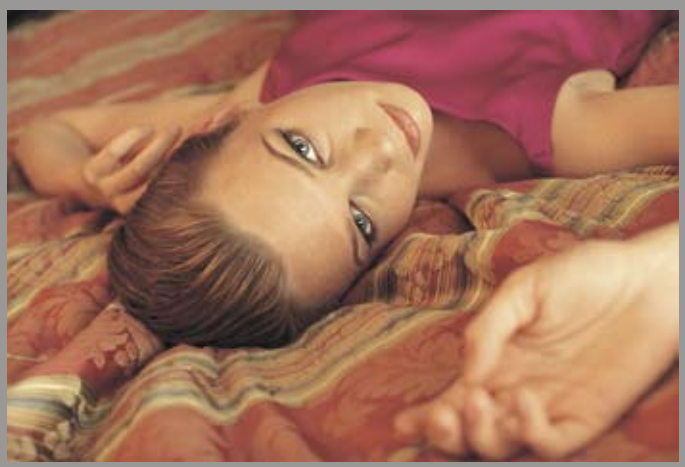
- Twin-tube ring lite designed for close-up photography with EF and EF-S Macro lenses; Flash tubes can fire together or independently.
- Supports E-TTL and E-TTL II Wireless Autoflash in conjunction with one or more compatible EX Speedlites.
- Incandescent focusing lamps and two forms of modelling flash permit preview of lighting effects.
- Illuminated LCD panel for easy flash settings in any lighting condition.

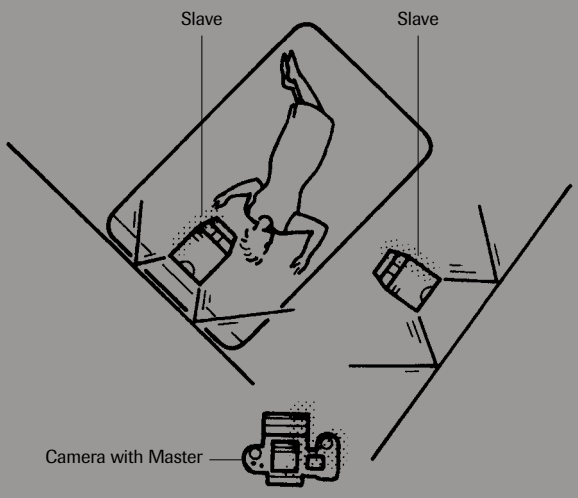
Macro Twin Lite MT-24EX

- Attaches to all Canon EF and EF-S Macro lenses (EF 180mm f/3.5L requires Macro Lite Adapter 72C).
- Twin flash heads can be rotated over 80° angle around lens in 5° increments.
- Heads can be swivelled or bounced and can be removed from mounting ring for added control.
- Powerful Guide Number of 24 (meters, at ISO 100), full E-TTL/E-TTL II control and advanced features including FEL, Hi-speed sync, and FEB.
- Full E-TTL/E-TTL II automatic flash control.
- Incandescent focusing lamps and two different types of one-second modelling flash allow easy focusing and previewing of lighting effects.

Speedlite Transmitter ST-E2

- Dedicated transmitter to control unlimited number of compatible slave flashes.
- Compatible with Speedlite 580EX, 550EX, 430EX and 420EX.
- Controls compatible slave units up to 10 meters outdoors and 15 meters indoors.





Wireless File Transfer:
The Next Generation of Image Delivery

Canon's Wireless File Transmitter WFT-E1 enables fast, wireless image transfer from EOS Digital cameras directly to a computer. This amazing productivity tool eliminates the need to stop and upload image files to the computer, allowing photographers to concentrate on shooting photographs, knowing that their images are being transferred in the background, automatically.

Whether working on location, in the studio, shooting fashion or events, the WFT-E1 is an indispensable tool for today's connected photographer. The WFT-E1 offers several different ways of transmitting image data. It can communicate directly with a local computer outfitted with a wireless LAN adapter, or with a direct Ethernet connection. It can also connect to a remote server through a Wireless Access Point connection. Built to withstand the rigours of professional shooting, the WFT-E1 is the perfect complement to a Digital EOS System.

Wireless Transmitter WFT-E1

- Wireless LAN compatible (IEEE 802.11B/G up to 54 mbps) for speedy image transmission during of after shooting.
- 100 Base-TX Ethernet connection for tethered, fast connection.
- Compatible with both USB 2.0 and IEEE1394 (FireWire) connections to the camera.
- Thin profile to complement the design of EOS Digital SLRs.
- Operation up to approximately 60m with normal antenna or up to approximately 150m with extended range Antenna ERA-E1.
- Offers high security transfer using WPA-PSK, WEP and TKIP encryption (180 minutes wireless, 270 minutes wired).

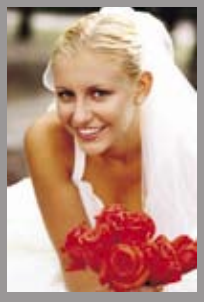
For Sports Photojournalism

Wireless File transfer has already found a home with sports photographers and photojournalists, who benefit from the speed and ease of transferring images while they shoot: by transmitting images to a local computer, an assistant manages and transmits image files immediately. This way, the photographer can meet any deadline and can even get feedback on images while shooting. And, since they are transmitting their files, photographers don't have to worry about changing memory cards. Whether capturing the winning goal, or the handshake at the net, the photographer will never miss a minute of the action.

For Commercial Studio Photography

Studio photographers can transfer images automatically, either immediately or after the shooting session. In immediate mode, the art director, client, and assistants can be working, even off-site, giving feedback during the session for greater spontaneity and efficiency. In operation, images transfer to an FTP server via wireless or wired LAN. Wirelessly, the antenna supplied allows a 60 meter range, more than sufficient for most studios. In wired mode, a port on the side of the unit connects, with an appropriate Ethernet cable, to a computer or other Ethernet device.

For Wedding Photography



Wedding photographers can have one less thing to worry about with the WFT-E1 attached to their camera. Free to roam about the ceremony and reception, photographers can feel confident knowing their images are being transferred to their computer as they shoot. They won't run out of memory cards or lose important shots while offsite downloading images to the computer. They can shoot either vertically or horizontally, transferring their images without worry of getting tangled up in wires. Results can be shared and orders can be taken on the spot, from clients and guests; showing photographs in print or on screen.

PIXMA Pro and EOS: made for each other.

The Canon PIXMA Pro range of printers is the ideal choice to complement your EOS camera. Whether you're printing black & white or colour images, PIXMA Pro offers EOS users the ultimate in quality and compatibility, making them the perfect partner for any EOS camera.

PIXMA Pro9500

Pure professional performance. Archival quality photos in black & white or colour.

- Produce professional, borderless photo prints up to A3+ using FINE print-head technology with up to 4800 x 2400 dpi.
- Enjoy beautiful, long-lasting prints with pigment ink for all 10 individual colours.
- Create beautiful black & white photos with richly expressive gradations free from colour shifts thanks to Photo Black, Matte Black and Grey inks.
- Fine control of colour adjustments to ensure results that match your creative intentions.
- Supports printing onto Fine Art paper and a wide range of print media from the front feeder.

PIXMA Pro9000

True-to-life colour photos for serious photographers.

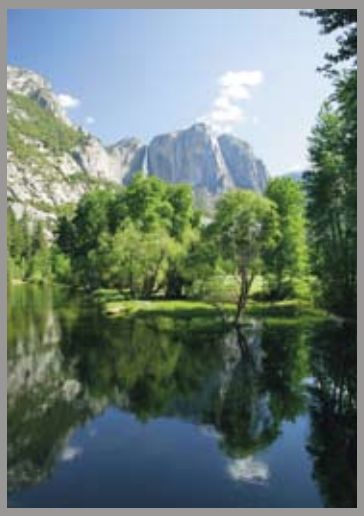
- Produce professional, borderless photo prints up to A3+ using FINE print-head technology with up to 4800 x 2400 dpi.
- 8 colour dye individual ink tanks allow you to reproduce a wider range of colours.
- Fine control of colour adjustments to ensure results that match your creative intentions.
- Supports printing onto Fine Art paper and a wide range of print media from the front feeder.
- Features ChromaLife100 technology for beautiful, long-lasting photos.

Products available Spring 2006.

Digital Photo Professional and Easy-PhotoPrint Pro. Seamless operation between software to get the best prints out of your EOS camera.

Easy-PhotoPrint Pro is an application software designed for professionals, providing workflow simplicity as a key benefit. With simple plug-in connection from Digital Photo Professional version 2.1 or later (DPP) or Photoshop CS/CS2, it has never been easier to transfer your image data directly to Easy-PhotoPrint Pro.

DPP and Easy-PhotoPrint Pro also enable direct printing of RAW images, so you no longer need to spend time converting or developing data format.



Printed in Adobe® RGB (1998)

ICC profile to faithfully reproduce colours from the EOS camera and Adobe® RGB data.

When you have an ICC profile for your colour management, there's no need for any additional operation.

Once you have specified your settings in your EOS camera or DPP Picture Style, all your settings information is automatically shared by Easy-PhotoPrint Pro. Likewise, all your Adobe® RGB colour gamut settings are automatically recorded for printing.

So, what you want is what you print.

PictBridge connection for EOS-to-PIXMA Pro9500/Pro9000. Convenient, direct Canon-to-Canon printing solutions.

Quick contact prints direct from the camera allows you to have a visual snapshot of the photos you've taken. The 35-up contact print not only has a similar look to 35mm film-style layout but also offers better image quality.

You can print with the shooting information function to obtain additional information such as shutter speed, aperture value, ISO sensitivity and so forth on the page margins. Correction features are also available to automatically detect and brighten shadowed or backlit objects in your photos.

35-up Contact Print

NOMENCLATURE for EOS-1D Mark II N

Self-Timer Lamp
Shutter Button
Grip
Depth-of-Field Preview Button
Vertical Grip Shutter Button
Vertical Grip Main Dial
Hand Strap Eyelet

PC Terminal
Lens Release Button
Remote Control Terminal (N3 type)
Video OUT
Digital Port
Direct Printer Port
Battery Release Knob
Battery
Battery Release Button
Tripod Socket

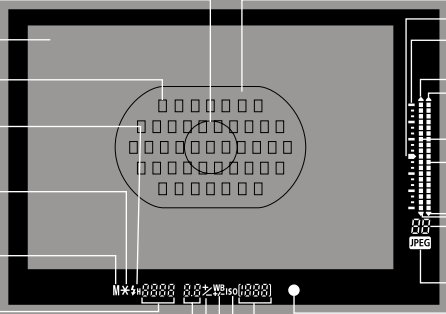
Quick Control Dial Switch
Viewfinder Eyepiece
Eyecup
LCD Monitor
Protect/Sound Recording Button
MENU Button
SELECT Button
DISPLAY Button
Memory Card Selection/Enlarge Button
Rear LCD Panel
ERASE Button
CLEAR Button
Image Recording Quality Selection Button
White Balance Button
White Balance Bracketing Button
Recording Microphone

Quick Control Dial
Assist Button/White Balance Compensation Button (WB Button pressed simultaneously)
AE Lock/Reduce Button
AF Point Selector/Enlarge Button
Memory Card Slot Cover
Memory Card Slot Cover Knob
Access Lamp
Vertical AE Lock/Reduce Button
Vertical AF Point Selector/ Enlarge Button
Vertical FE Lock/Multi-Spot Metering Button
Vertical Operation ON/OFF Switch
Vertical Assist Button/White Balance Compensation Button (WB button pressed simultaneously)
Power Switch

LCD Panel Illumination Button
AEB Button
Shooting Mode Selection Button
AF Mode Selection Button
Metering Mode Selection/Flash Exposure Compensation Button
ISO Speed Button
Drive Mode Selection Button
Dioptric Adjustment Knob
Flash-sync Contacts
Hot Shoe

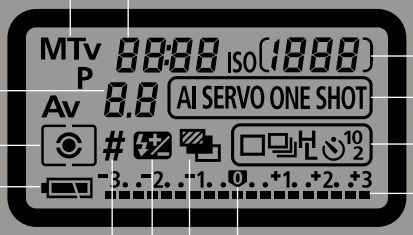
FE Lock/Multi-Spot Metering Button
Shutter Button
Main Dial
Exposure Compensation/ Aperture Button
Strap Mount
Top LCD Panel
Eyepiece Shutter Lever

VIEWFINDER INFORMATION



- Spot Metering Circle
- Laser-matte Screen
- AF Point
- High-speed sync (FP flash)
- Flash-ready
- Blinks when FE lock cannot be achieved
- AE Lock
  AEB in-progress
  Multi-Spot metering
- M Manual Exposure
- Shutter Speed
  Bulb
  AF Point Selection Mode ([ ], SEL)
  FE Lock
  Busy (busy)
- Aperture
  AF Point Selection Mode (AF, [ ], HP)
  Memory Card No. (1,2)
- Exposure Compensation
  Flash Exposure Compensation
- Area AF Ellipse
- Correct Exposure Index
- Exposure Level Increments
  ▬ : 1 stop ■ : 1/3 stop
- Overexposure
  Flash Overexposure
- Exposure Level
- Flash exposure Level
- Flash Underexposure
- Underexposure
- Max. burst for continuous shooting
- JPEG JPEG Mark
- ● In-focus Indicator
- Remaining Shots
  ISO Speed
  Self-Timer Countdown
- ISO Speed Icon
- WB White Balance Compensation

TOP LCD PANEL INFORMATION



- Shooting Mode
  P : Program AE
  M : Manual Exposure
  Tv : Shutter-priority Ae
  Av : Aperture-priority Ae
- Aperture
  AEB amount
  AF Point Selection Mode (AF, [ ], HP)
  Memory Card No. (1,2)
- Metering Mode
  Evaluative Metering
  Partial Metering
  Spot Metering
  Centre-weighted Average Metering
- Battery Level Mark
- # Personal Function Mark
- Flash Exposure Compensation
- Shutter Speed
  Bulb
  Bulb Exposure Time (Min.:Sec.)
  AF Point Selection Mode ([ ], SEL)
  FE Lock
  Busy (busy ,PC)
  Error (Err)
- AEB
- Shots Remaining
  ISO Speed
  Self-timer Countdown
  Bulb Exposure Time
  Error Code
  Remaining Images to Record
- AF Mode
  ONE SHOT One-Shot AF
  AI SERVO AI SERVO AF
- Drive Mode
  Single
  Continuous Shooting*
  H High-speed Continuous Shooting**
  L Low-speed Continuous Shooting**
  10 Self-timer (10 sec.)
  2 Self-timer (2 sec.)
- Exposure Level Scale
- Exposure Compensation Level
- AEB Amount
- Flash Exposure Compensation Level

REAR LCD PANEL INFORMATION-EOS-1Ds MarkII

- White Balance
  AWB Auto
  Daylight
  Shade
  Cloudy
  Tungsten Light
  Fluorescent Light
  Flash
  Custom
  K Colour Temperature
- CF Card Selection Indicator
- SD Memory Card Selection Indicator
- White Balance Bracketing Level
- Folder No.
- File No.
  Colour Temperature
  Personal White Balance
- Image Quality
  L Large
  M1 Medium1
  M2 Medium2
  S Small
  RAW RAW
  RAW+L RAW+Large
  RAW+M1 RAW+Medium1
  RAW+M2 RAW+Medium2
  RAW+S RAW+Small
- Blue/Amber/
  White Balance Correction
- Green/Magenta/
  White Balance Correction
- Data Transfer Mark

REAR LCD PANEL INFORMATION-EOS-1Ds MarkIIN

- White Balance
  AWB Auto
  Daylight
  Shade
  Cloudy
  Tungsten Light
  Fluorescent Light
  Flash
  Custom
  K Colour Temperature
- SD Memory Card Indicator
- SD Card Selection Icon
- CF Card Indicator
- CF Card Selection Icon
- RAW Image-recording Card Slot Indicater
- White Balance Bracketing Level
- Blue/Amber/
  White Balance Correction
- Green/Magenta/
  White Balance Correction
- Data Transfer Icon
- B/W Monocrome Shooting
- Folder No.
- File No.
  Colour Temperature
  Personal White Balance
- Image-recording Quality
  L Large
  M1 Medium1
  M2 Medium2
  S Small
  RAW RAW
  RAW+L RAW+Large
  RAW+M1 RAW+Medium1
  RAW+M2 RAW+Medium2
  RAW+S RAW+Small

* EOS-1Ds Mark II Only ** EOS-1D Mark II N Only

SPECIFICATIONS

Image Sensor	8.2 MP CMOS APS-H 28.7 x19.1mm.
Special Features	• Maximum continuous shooting speed of 8.5 fps (approximate). • Depth-of-Field Preview. • Built-in 2.5 inch wide viewing angle colour monitor. • Mirror Lock. • Custom Functions (21 custom functions with 69 settings). •IEEE1394 Compatible. • Simultaneous RAW and JPEG image capture.
Autofocus System	TTL-AREA-SIR CMOS Sensor. One-Shot and AI Servo AF with Focus Prediction. Manual focusing confirmation possible with EF Lenses. Automatic or manual focus point selection.
No. of Focusing Points	Forty-five (Area AF Ellipse) Seven central high-precision cross-type AF points.
Autofocus Sensitivity	EV 0-18 (at ISO 100).
Shutter	Vertical-travel, focal-plane shutter with soft-touch electromagnetic release, all speeds electronically controlled.
Shutter Speed	30–1/8,000 sec. & Bulb; manually selectable in 1/3 stop increments.
Maximum Flash Synchronization Speed	1/250 sec.; high-speed sync. available with EX-series Speedlites.
Storage Media	Digital images are stored on removable CompactFlash™ (Type I & II) or SD memory card.
Frames Per Second	Single, 3.0 fps, 8.5 fps (Can be altered with Personal Function).
Metering System	TTL full-aperture metering: • 21-zone Evaluative metering. • 13.5% Partial metering. • 3.8% Centre spot metering. • 3.8% spot metering (linked to user-selected focusing point). • Multi-Spot metering (up to 8 spot readings). • Centre-weighted average metering. • Pre-flash metering (E-TTL II).
Metering Sensitivity	EV 0–20 for all patterns (at ISO 100 with f/1.4).
Exposure Compensation	±3 stops in 1/3 or 1/2-stop increments.
Flash Exposure Compensation	±3 stops in 1/3 or 1/2-stop increments.
AE Lock	Yes.
Exposure Modes	• Shutter Speed-priority AE. • Intelligent Program AE with variable shift. • Manual. • Flash Metered Manual. • Aperture-priority AE. • E-TTL II Flash AE. • Bulb.
White Balance	Settings: Auto, Daylight, Shade, Cloudy, Tungsten Light, Fluorescent Light, Flash, Custom, Colour Temperature, Personal White Balance (total 10 settings).
Auto White Balance	Image sensor.
Colour Temperature Compensation	• White Balance bracketing: ±3 stops in full-stop increments. • White Balance correction: ±9 stops in full-stop increments. * Blue/Amber bias on Magenta/Green bias possible.
Viewfinder	Fixed eye-level pentaprism.
Viewfinder Coverage	100% horizontal and vertical at 0.72x.
Viewfinder Information	Inside the picture area: Area AF ellipse, illuminated AF frames and spot metering circle. Displayed at the bottom and right side of the viewing area: • Shutter speed. • Manual Exposure level. • Exposure compensation/ Flash compensation. • JPEG Indication. • Aperture value. • Remaining frames in burst. • Hi-speed flash sync. • AE Lock. • Multi-Spot readings. • Exposure level/ Flash exposure level. • White Balance +/–. • FE Lock. • ISO Speed.
Focusing Screens	Laser-matte screen Ec-C III, with area AF ellipse and fine spot metering circle provided as the standard screen (interchargeable with Ec-series focusing screens. Metering correction data can be set with a Custom function for the Laser-matte and New Laser-matte screens). Masked Focusing Screens (Ec and Ee versions available).
Self-Timer	Electronically controlled with 2- or 10-second delay.
LCD Monitor	TFT colour liquid-crystal type; 2.5 in. with approx. 230,000 pixels. 100% coverage with respect to the effective pixels. Brightness adjustment available with 5 levels 15 interface languages.
Image Playback	Single Image, Single Image (INFO.), 4-image index, 9-image index, Magnified zoom (approx. 1.5x – 10x), Rotated image can be displayed. Highlight alert is displayed in Single Image and Single Image (INFO.) formats, any overexposed highlight areas blink in the image display.
Sound Recording	Voice annotation recorded with the built-in microphone and attached to the image in WAVE format.
Direct Printing	Compatible printers: SELPHY Compact Photo Printers, CP Direct, PictBridge compatible printers.
Body Dimensions (W x H x D)	156 x 157.6 x 79.9mm.
Weight (Body Only)	1,225g.

CUSTOM FUNCTION CHART

Custom Function No.	Function Description	Setting	EOS-1D Mark II N
C. Fn-01	Finder display during exposure	0	No viewfinder display
		1	Finder display on
C. Fn-02	Shutter release without CF card	0	Possible without card
		1	Not possible
C. Fn-03			None (ISO Speed extension moved to menu)
C. Fn-04	Shutter button/ AE Lock button	0	AF/AE lock
		1	AE lock/AF
		2	AF/AF lock, no AE lock
		3	AE/AF, no AE lock
C. Fn-05	Manual Tv/Av set. for M exp.	0	Tv= Av=
		1	Tv= Av=
		2	Tv= Av= w/o lens
		3	Tv= Av= w/o lens
C. Fn-06	Exposure level increments	0	1/3-stop set, 1/3-stop comp
		1	1-stop set, 1/3-stop comp
		2	1/2-stop set, 1/2-stop comp
C. Fn-07	USM Lens electronic MF	0	Turns on after One-Shot AF
		1	Turns off after One-Shot AF
		2	Disabled in AF mode
C. Fn-08	Top LCD panel/ Back LCD panel	0	Remaining Shots/File No.
		1	ISO/Remaining Shots
		2	ISO/File No.
		3	Shots in folder/Remaining Shots
C. Fn-09	Auto bracketing sequence/cancel	0	0 → – → +/Auto cancellation
		1	0 → – → +/No cancellation
		2	– → 0 → +/Auto cancellation
		3	– → 0 → +/No cancellation
C. Fn-10	AF point illumination	0	On
		1	Off
		2	On without dimming
		3	Brighter
C. Fn-11	AF point selection method	0	↔ = + ↕ = +
		1	↔ = ±/– + ↕ = ±/– +
		2	↔ = ↕ = +
		3	↔ = FEL + ↕ = FEL +
C. Fn-12	Mirror lockup	0	Disable
		1	Enable
C. Fn-13	Number AF points/ Spot metering	0	45/Centre AF point
		1	11/Active AF point
		2	11/Centre AF point
		3	9/Active AF point
		4	9/Centre AF
C. Fn-14	E-TTL II	0	Evaluative flash metering
		1	Averaged flash metering
C. Fn-15	Shutter curtain synchronization	0	1st-curtain synchronization
		1	2nd-curtain synchronization
C. Fn-16	Safety shift in Av or Tv	0	Disable
		1	Enable
C. Fn-17	AF point activation area	0	Single AF point
		1	Expand (TTL. of 7 AF points)
		2	Automatic expand (max. 13)
C. Fn-18	Switch to registered AF point	0	+
		1	
		2	Only while pressing
C. Fn-19	Lens AF stop button function	0	AF stop
		1	AF start
		2	AE lock while metering
		3	AF point: M → Auto/Auto → Ctr.
		4	AF mode: ONE SHOT ↔ AI SERVO
		5	IS start
C. Fn-20	AI SERVO tracking sensitivity	0	Standard
		1	Slow
		2	Moderately slow
		3	Moderately fast
		4	Fast
C. Fn-21	Drive speed priority AI SERVO	0	Disable
		1	Enable
C. Fn-00	Focusing Screen	0	N Ec-N, R
		1	L Ec-A, B, C, C II, C III, D, H, I, L
		2	P Ec-S

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